

III. CLAIM AMENDMENTS

1. (Currently Amended) Device, for manipulating substrates (11) inside and outside an ultraclean workroom (15), with a storage room and a sluice device (17), the sluice device being provided between the storage room (20) and the ultraclean workroom (15), and providing means by which a substrate cassette (12) accommodated under ultraclean room conditions in a box can be accessed in the box under ultraclean room conditions, and with a first manipulating device (51) by means of which substrates (11) can be placed in the cassette (12) and can be removed from the cassette, is hereby characterized in that the storage room (20) is adapted for holding a multiple number of the boxes accommodated in row and/or column arrangement, and is [[overhanging,]] extending over substantially the entire ultraclean workroom.

2. (Currently Amended) Device, for manipulating substrates (11) inside and outside an ultraclean workroom (15), with a storage room and a sluice device (17), the sluice device being provided between the storage room (20) and the ultraclean workroom (15), and providing means by which a substrate cassette (12) accommodated under ultraclean room conditions in a box can be

removed from the box or reintroduced into the box, and with a first manipulating device (51) by means of which substrates (11) can be placed in the cassette (12) and can be removed from the cassette, is hereby characterized in that the storage room (20) is adapted for holding a multiple number of the boxes (13) accommodated in row and/or column arrangement on substantially the entire ultraclean workroom, and is further characterized in that the sluice device (17) has more than one locking unit (18) through which the substrate can be transported, the locking units being independent of one another.

3. (Previously Presented) Device according to claim 2, further characterized in that each locking unit has a sluice door, the sluice door being formed by a component (63,67) of the box.

4. (Previously Presented) Device according to claim 1, further characterized in that the sluice device (17) is arranged in a floor (24) of the storage room (20) or in a ceiling of the ultraclean workroom (15).

5. (Previously Presented) Device according to claim 3, further characterized in that the sluice door is formed by a platform (63) of the cassette box (13).

6. (Previously Presented) Device according to claim 1, further characterized in that the sluice device (17) is arranged in an outer wall of the ultraclean workroom (15).

7. (Cancelled)

8. (Previously Presented) Device according to claim 2, further characterized in that a lifting device (47) for substrate cassette (12) or cassette box (13) is assigned to each locking unit (18).

9. (Previously Presented) Device according to claim 1, further characterized in that ultraclean workroom (15) is provided with several working chambers (42 to 44), for processing substrates, [[, between]] each of which is served by, the first manipulating device (51) [[is provided]].

10. (Previously Presented) Device according to claim 9, further characterized in that the first manipulating device at a floor of the ultraclean workroom is provided with a linear guide.

11. (Previously Presented) Device according to claim 2, further characterized in that between storage spaces of the storage room, and the more than one locking units (18) of the sluice device

(17) a second manipulating device (31) is provided, by means of which the box can be displaced.

12. (Previously Presented) Device according to claim 11, further characterized in that the second manipulating device (31) is provided on a bottom and/or a cover side with a linear guide (33, 34).

13. (Previously Presented) Device according to claim 1, further characterized in that the storage room (20) is provided with one or more input/output openings (22, 23) for cassette boxes (13).

14. (Original) Device according to claim 13, further characterized in that input/output openings (22, 23) can be closed.

15. (Cancelled)

16. (Previously Presented) Device according to claim 1, further characterized in that manipulating device is provided with a fork or gripper unit.

17. (Previously Added) The device according to claim 11, wherein the second manipulating device for moving the box is provided between the storage spaces of the storage room.

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18. (Previously Added) The device according to claim 11, wherein the second manipulating device is provided between the more than one locking units.